Monday – Tenths as Decimals

1. Match the image to the correct decimal.

A. B. C. 0.1 0.1
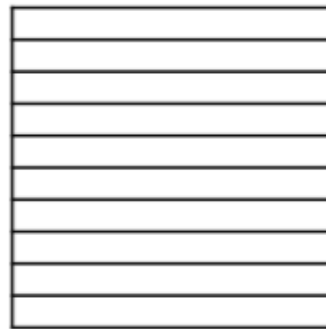0.1 0.1
0.1 0.1
0.1
D.
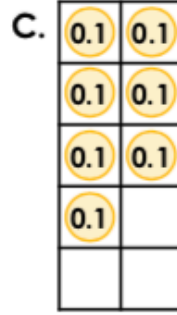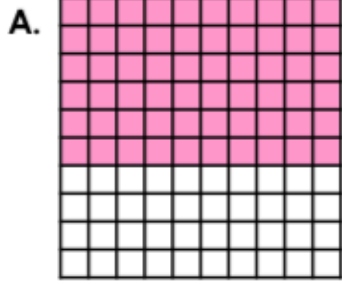
1. 0.6   2. 0.3   3. 0.4

Write the decimal and fraction to match the odd one out.

2. Complete the missing values in the table. Use the information from the table to correctly colour the image on the right.

Words	nine tenths
Fraction	
Decimal	

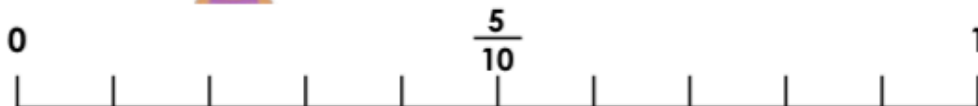## 3. Jon is thinking of a decimal between $\frac{1}{10}$ and $\frac{6}{10}$.

Megan says,

I think Jon's decimal is 0.7

0                    $\frac{5}{10}$ 1

Is Megan correct? What decimals could Jon be thinking of?

Tuesday – Divide 1 and 2 Digits by 10

1. Match each calculation to the correct answer.

A.
$$47 \div 10 =$$

B.
$$4 \div 10 =$$

C.
$$74 \div 10 =$$

ones	tenths
7	4

ones	tenths
4	7

ones	tenths
0	4

2. Complete the calculations. Use digits to show your answers.

A.

tens	ones	tenths	hundredths

$\div 10 =$

tens	ones	tenths	hundredths

B.

tens	ones	tenths	hundredths
5	9		

$\div 10 =$

tens	ones	tenths	hundredths

C.

tens	ones	tenths	hundredths

$\div 10 =$

tens	ones	tenths	hundredths

3. Christina is completing the division calculation using a Gattegno chart. Explain Christina's mistake. What is the correct answer?

$$81 \div 10 =$$

I have shown my working out but I have made a mistake.

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9

Wednesday – Hundredths as Decimals

1. Match the equivalent values.

fifteen hundredths   0.47

$\frac{47}{100}$ (0.1) (0.01) (0.01)

0.09   0.15

$\frac{12}{100}$ $\frac{9}{100}$

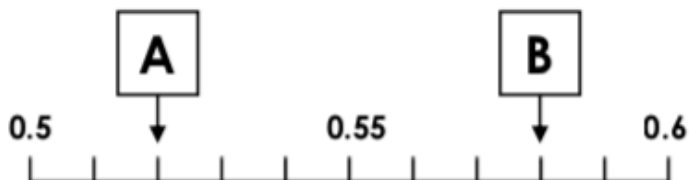## 2. True or false?

> 0.3 is equivalent to three hundredths.

3. Convert the hundredths to decimals.

$\frac{25}{100}$ [ ]

$\frac{89}{100}$ [ ]

$\frac{6}{100}$ [ ]

4. What numbers go in the boxes below?

A   **B**

0.5   0.55   0.6

A = [ ] . [ ] [ ]

B = [ ] . [ ] [ ]

5. Who is correct? Explain your answer.

$$\frac{90}{100} = 0.09$$

Emily: The decimal is correct because it shows nine hundredths.

Callum: The decimal is incorrect as it only shows nine hundredths.

6. Use the digit cards to make three decimals less than one.

| 4 | 0 | 0 | 7 |

Write the equivalent fraction for each decimal you create.

[ ] . [ ] [ ] = $\frac{\quad}{\quad}$

[ ] . [ ] [ ] = $\frac{\quad}{\quad}$

[ ] . [ ] [ ] = $\frac{\quad}{\quad}$

7. Is this statement correct? Explain your answer.

$$0.68 > 0.86$$

Thursday – Divide 1 or 2 Digits by 100

1. Draw counters to show the answers to the calculations.

21 ÷ 100

10	1	0.1	0.01

30 ÷ 100

10	1	0.1	0.01

2. Match the calculations to the correct decimal and find the odd one out.

34 ÷ 100	0.76	23 ÷ 100

0.34	5 ÷ 100	0.05

76 ÷ 100	0.23	0.7

3. Circle the number that is 100 times smaller than forty seven.

4.7   0.40   0.47   470

4. Complete these calculations.

4 ÷ 100 = ☐

☐ = 28 ÷ 100

53 ÷ 100 = ☐

☐ = 79 ÷ 100

5. Una makes a 2-digit number on the place value chart using 7 counters and divides it by 100.

10	1	0.1	0.01

What could her calculation have been? Write down 5 possible calculations including the answer.

6. Zaynab has used the chart below to make a number. She has covered her number with counters. She divides it by 100.

10	20	30	40	50	60	70	●	90
1	2	3	4	5	●	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

What will Zaynab's answer be? Explain how you know.

7. True or false? Affan and Jude's statements are correct. Convince me!

Affan: 0.39 is 100 times smaller than 39.

Jude: 39 ÷ 100 = 3,900